Approved for use through 10/31/2002, OMB 0651-0032

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UTILITY PATENT APPLICATION

Attorney Docket No. 39078-0005 First Inventor Klaus GIESE et al. INTEFERING RNA MOLECULES

TRANSMITTAL (Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Express Mail Label No. Assistant Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: Box Patent Application See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 1. 🔯 Fee Transmittal Form (e.g., PTO/SB/17) 7. CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) 2. Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) з. 🛛 Specification [Total Pages 54 a. Computer Readable Form (CRF) (preferred arrangement set forth below) b. Specification Sequence Listing on: - Descriptive title of the Invention i. CD-ROM or CD-R (2 copies); or - Cross Reference to Related Applications ii. 🗌 paper - Statement Regarding Fed sponsored R & D c.

Statements verifying identity of above copies - Reference to sequence listing, a table, or a computer program listing appendix **ACCOMPANYING APPLICATIONS PARTS** - Background of the Invention - Brief Summary of the Invention 9. 🔲 Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) 10. 🔲 37 C.F.R.§3.73(b) Statement Power of - Detailed Description (when there is an assignee) Attorney Claim(s) - Abstract of the Disclosure 11. 🔲 English Translation Document (if applicable) 4. 🛛 Drawing(s) (35 U.S.C.113) 12. 🔲 [Total Sheets 25 Information Disclosure ☐ Copies of IDS 1 Statement (IDS)/PTO-1449 Citations 5. Oath or Declaration [Total Pages 13. 🔲 **Preliminary Amendment** a. Newly executed (original or copy) 14. 🛛 Return Receipt Postcard (MPEP 503) b. Copy from a prior application (37 CFR 1.63 (d)) (Should be specifically itemized) (for a continuation/divisional with Box 18 completed) 15. 🔲 Certified Copy of Priority Document(s) i. DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting inventor(s) 16. 🔲 Nonpublication Request under 35 U.S.C. 122 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation □ Divisional ☐ Continuation-in-part (CIP) of prior application No: ___ Prior application information: Examiner _ Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 17. CORRESPONDENCE ADDRESS 26633 ☐ Customer Number or Bar Code Label or 🗀 Correspondence address below (Insert Customer No. or Attach bar code label here) Name Address City State Zip Code Country Telephone Fax

Name (Print/Type)	Paul M Booth	Registration No. (Attorney/Agent)	40,244
Signature	49701	Date	August 5, 2003



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	Complete if Known			
FEE TRANSMITTAL	Application Number	TO BE ASSIGNED		
for FY 2003	Filing Date	August 5, 2003		
Effective 01/01/2003. Patent fees are subject to annual revision.	First Named Inventor	Klaus GIESE et al.		
M Applicant claims small action status. See 27 CER 1.27	Examiner Name	TO BE ASSIGNED		
Applicant claims small entity status. See 37 CFR 1.27	Art Unit	TO DE ASSIGNED		

	(3) 6/3		y Docket			39078-0005	
METHOD OF PAYMENT (che	ck one)	FEE CALCULATION (continued)					
☐ Check ☐ Credit card ☐ Money Order	3. Al	DDITIO	NAL FEI	ES			
Deposit Account: Deposit Account 08-1641 (Docket No. 39078-0	005)	Large Fee	Entity Fee	Fee	Entity Fee	Fee Description	Fee Paid
Number		Code	(\$)	Code	(\$)		FAIG
Deposit Account Holler Ehrman White & Many		1051	130	2051	65	Surcharge - late filing fee or oath Surcharge - late provisional filing fee	<u> </u>
Account Name Heller Ehrman White & McAu	itte LLP	1052 1053	50 130	2052	25 130	or cover sheet	
The Commissioner is authorized to: (check all	that apply)	1812	130 2,520	1053 1812	130 2,520	Non-English specification For filing a request for ex parte	
	any overpayments	1804	2,320 920*		2,320 920*	reexamination Requesting publication of SIR prior to	ļ
- ,,		1805	1,840*		1,840*	Examiner action Requesting publication of SIR after	<u> </u>
Charge any additional fee(s) during the pender		1005	1,0.10	1000	1,070	Examiner action	
Charge fee(s) indicated below, except for the identified deposit account.	filing ree to the above-	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION		1252	410	2252	205	Extension for reply within second month	
1. BASIC FILING FEE		1253	930	2253	465	Extension for reply within third month	
Large Entity Small Entity Fee De Fee Fee Fee Fee	escription Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	
Code (\$) Code (\$)	!	1255	1,970	2255	985	Extension for reply within fifth month	
	filing fee 375	1401	320	2401	160	Notice of Appeal	<u> </u>
1002 330 2002 165 Design	filing fee	1402	320	2402	160	Filing a brief in support of an appeal	<u> </u>
1003 520 2003 260 Plant fil	ing fee	1403	280	2403	140	Request for oral hearing	
	filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1005 160 2005 80 Provision fee	onal filing	1452	110	2452	55	Petition to revive - unavoidable	
SUBTOTAL (1)	(\$)	1453	1,300	2453	650	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND		1501	1,300	2501	650	Utility issue fee (or reissue)	
Extra Claims	ee from below Fee Paid	1502	470	2502	235	Design issue fee	
Total 32 -20** = 12 x	18 = 216	1503	630	2503	315	Plant issue fee	
Independent 4 -3** = 1 x	84 = 84	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent	=	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Fee Fee Fee	Fee Description	1806	180	1806	180	Submission of Information Disclosure Stmt	
Code (\$) Code (\$) 1202 18 2202 9 Claims in	n excess of 20	8021	40	8021	40	Recording each patent assignment per	
1201 84 2201 42 Independ	lent claims in excess of 3	1809	750	2809	375	property (times number of properties) Filing a submission after final	
1203 280 2203 140 Multiple	dependent claim, if not	1810	750	2810	375	rejection (37 CFR 1.129(a)) For each additional invention to be	-
1204 84 2204 42 **Reissu	e independent claims inal patent	1801	750	2801	375	examined (37 CFR 1.129(b)) Request for Continued Examination	
1205 18 2205 9 **Reissu	inal patent e claims in excess of 20 original patent	1802	900	1802	900	(RCE) Request for expedited examination of a design application	-
			Other fee (specify)				
**or number previously paid, if greater; For Reis		* Reduce	d by Basi	ic Filing Fe	ee Paid	SUBTOTAL (3)	(\$)
SUBMITTED BY Complete (if applicable)							
Name (Print/Type) Paul M Booth		Registration Attorney/Age		40,244		Telephone (202) 91:	2-2000

Signature Date August 5, 2003 Customer No. 26633

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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